

CLAIMS

1. A recording medium, comprising:

a specific area in which copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related information are recorded as a wobbled pre-pit type.

2. The recording medium as set forth in claim 1, wherein said copy protection-related information and said identification information indicative of the recording of said copy protection-related information are recorded together if said recording medium is of a copy protected mode type, and no copy protection-related information and only said identification information indicative of the non-recording of said copy protection-related information are recorded if said recording medium is of a copy free mode type.

3. The recording medium as set forth in claim 1, wherein said recording medium is a BD-ROM (Blu-ray Disc-ROM).

4. The recording medium as set forth in claim 3, wherein said specific area is a PIC (Permanent Information & Control data) zone.

5. The recording medium as set forth in claim 1, wherein said identification information is recorded while included in said copy protection-related information, or recorded in a head of said copy protection-related information.

6. The recording medium as set forth in claim 1, wherein a plurality of contents specific information with different

patterns are further recorded in said recording medium.

7. The recording medium as set forth in claim 6, wherein the same values are recorded in said plurality of contents specific information in the case where said recording medium is legally copied.

8. The recording medium as set forth in claim 6, wherein said contents specific information are title IDs of contents.

9. The recording medium as set forth in claim 6, wherein any one of said plurality of contents specific information is recorded in said wobbled pre-pit type and the remaining contents specific information are recorded in a straight pre-pit type.

10. The recording medium as set forth in claim 6, wherein said plurality of contents specific information are recorded together in said specific area or separately in said specific area and an area other than said specific area.

11. An apparatus for forming a recording medium, comprising: a copy protection controller for separating control data and main data from a file inputted thereto and generating copy control data.

12. The apparatus as set forth in claim 11, wherein said file inputted to said copy protection controller includes said control data and said main data, said control data including copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related information.

13. The apparatus as set forth in claim 12, wherein said copy

protection controller is adapted to directly separate said copy protection-related information and identification information from said control data included in said file inputted thereto if said control data is legal.

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14. The apparatus as set forth in claim 12, wherein said copy protection controller is adapted to, if there is no control data included in said file inputted thereto, or said control data included in said file is illegal, generate said identification
10 information indicative of the recording of said copy protection-related information and generate wrong copy protection-related information or no copy protection-related information.

15 15. The apparatus as set forth in claim 12, wherein said file inputted to said copy protection controller further includes contents specific information.

16. The apparatus as set forth in claim 15, wherein said copy
20 protection controller is adapted to, if said contents specific information included in said file inputted thereto is legal, generate the same contents specific information as that included in said file while one of the generated contents specific information being included in said control data and the others
25 being included in said main data, respectively.

17. The apparatus as set forth in claim 15, wherein said copy protection controller is adapted to, if there is no contents specific information included in said file inputted thereto, or
30 said contents specific information included in said file is illegal, generate no contents specific information or wrong contents specific information, or generate contents specific information different each other while one of the generated

contents specific information being included in said control data and the others being included in said main data, respectively.

5 18. The apparatus as set forth in claim 11, further comprising:

formatter adapted to format said separated control data and main data in different manners.

10 19. An apparatus for reproducing a recording medium, comprising:

a ROM-mark decoder for decoding copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related

15 information read from a specific area of said recording medium;

key detector acquiring a decryption key for decryption of main data from the decoded copy protection-related information;

decryption unit decrypting the main data using said decryption key; and

20 decoding unit decoding the decrypted main data.

20. The apparatus as set forth in claim 19, wherein said ROM-mark decoder is adapted to judge by said decoded copy protection-related information and identification information
25 whether said recording medium has been illegally copied and control an operation of said main data decryption unit according to a result of the judgment.

21. The apparatus as set forth in claim 20, wherein said
30 ROM-mark decoder is adapted to judge said recording medium to have been illegally copied, if said identification information indicative of the recording of said copy protection-related information is decoded and if there is no copy protection-related

information decoded or said decoded copy protection-related information is wrong.

22. The apparatus as set forth in claim 20, wherein said
5 ROM-mark decoder is adapted to stop the operation of said main data decryption unit upon judging that said recording medium has been illegally copied.

23. The apparatus as set forth in claim 19, further
10 comprising:

a contents specific information decoder for decoding contents specific information read from said specific area of said recording medium or an area other than said specific area; and

control unit for judging whether said recording medium has
15 been illegally copied and controlling an operation of said main data decryption unit according to a result of the judgment,

wherein said ROM-mark decoder is adapted to decode contents specific information read from said specific area of said recording medium, and

20 wherein said contents specific information decoder and said ROM-mark decoder are adapted to output the decoded contents specific information to said control unit, respectively.

24. The apparatus as set forth in claim 23, wherein said
25 control unit is adapted to judge said recording medium to have been illegally copied, upon receiving no contents specific information or wrong or different contents specific information from said contents specific information decoder and said ROM-mark decoder.

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25. The apparatus as set forth in claim 23, wherein said control unit is adapted to stop the operation of said main data decryption unit upon judging that said recording medium has been

illegally copied.

26. A method for reproducing a recording medium, comprising the steps of:

5 a) confirming copy protection-related information and identification information indicative of recording or non-recording of the copy protection-related information from a specific area of said recording medium; and

10 b) judging by the confirmed copy protection-related information and identification information whether said recording medium has been illegally copied.

27. The method as set forth in claim 26, wherein said step b) includes the step of judging said recording medium to have been
15 illegally copied, if said confirmed identification information indicates the recording of said copy protection-related information and if there is no copy protection-related information recorded in said specific area or said confirmed copy protection-related information is wrong.

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28. The method as set forth in claim 26, further comprising the step of:

25 c) preventing a data playback operation upon judging that said recording medium has been illegally copied.

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29. The method as set forth in claim 26, wherein said recording medium is a BD-ROM and said specific area is a PIC zone included in a lead-in zone.

30 30. A method for reproducing a recording medium, comprising the steps of:

 a) detecting a plurality of contents specific information from said recording medium; and

b) judging whether said recording medium has been illegally copied, by comparing the plurality of detected contents specific information.

5 31. The method as set forth in claim 30, wherein said step b) includes the step of judging that said recording medium has been illegally copied, if said plurality of detected contents specific information are not equal.

10 32. The method as set forth in claim 30, further comprising the step of:

c) preventing a data playback operation upon judging that said recording medium has been illegally copied.

15 33. The method as set forth in claim 30, wherein said step a) includes the step of detecting any one of said plurality of contents specific information in a wobbled pre-pit type and the remaining contents specific information in a straight pre-pit type.

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34. The method as set forth in claim 30, wherein said step a) includes the step of detecting said plurality of contents specific information together from a specific area of said recording medium or separately from said specific area and an
25 area other than said specific area.